

FIG. 1A

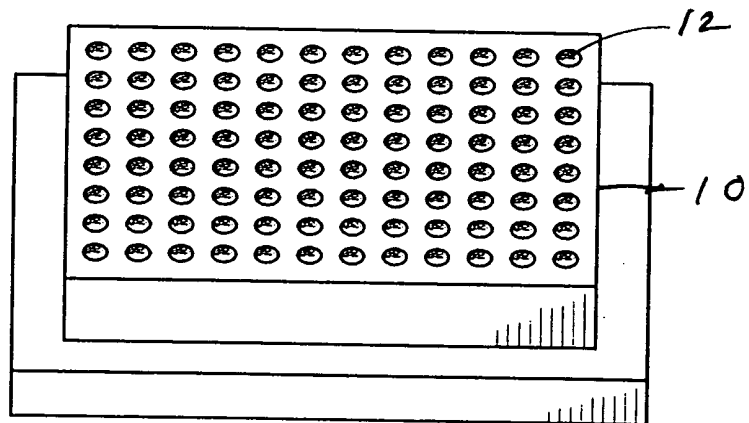


FIG. 1B

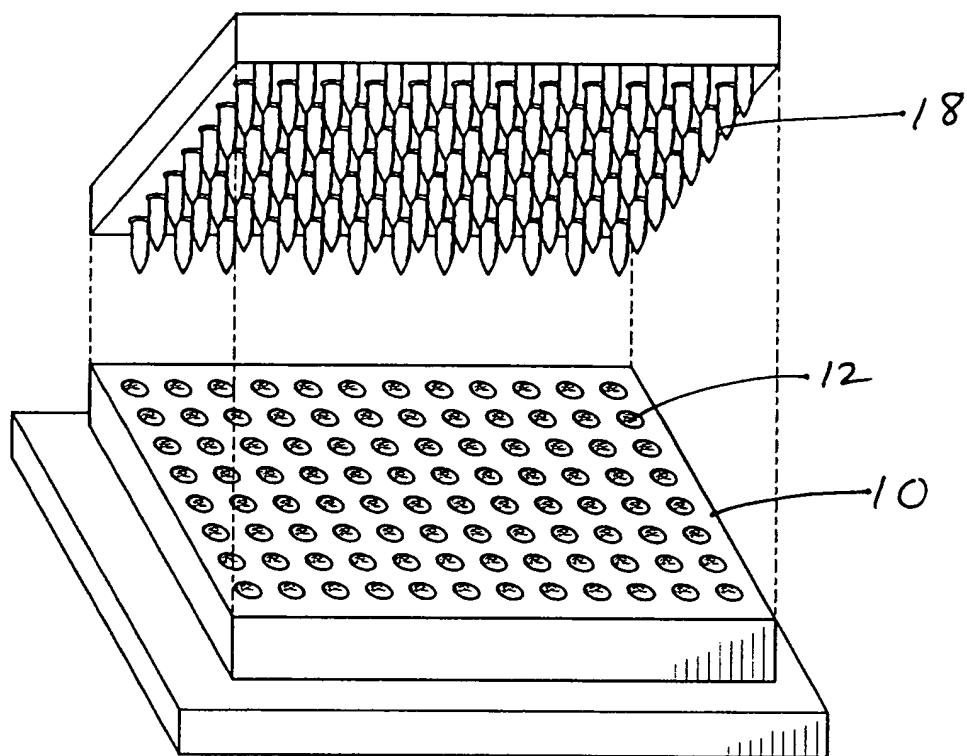


FIG. 2

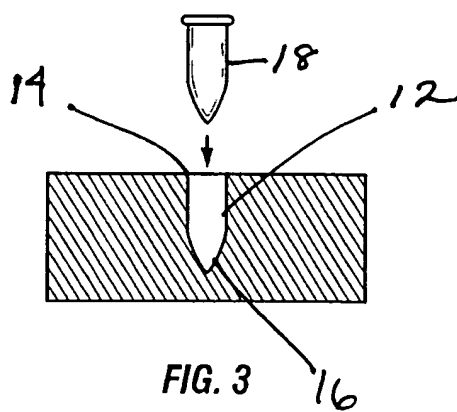


FIG. 3

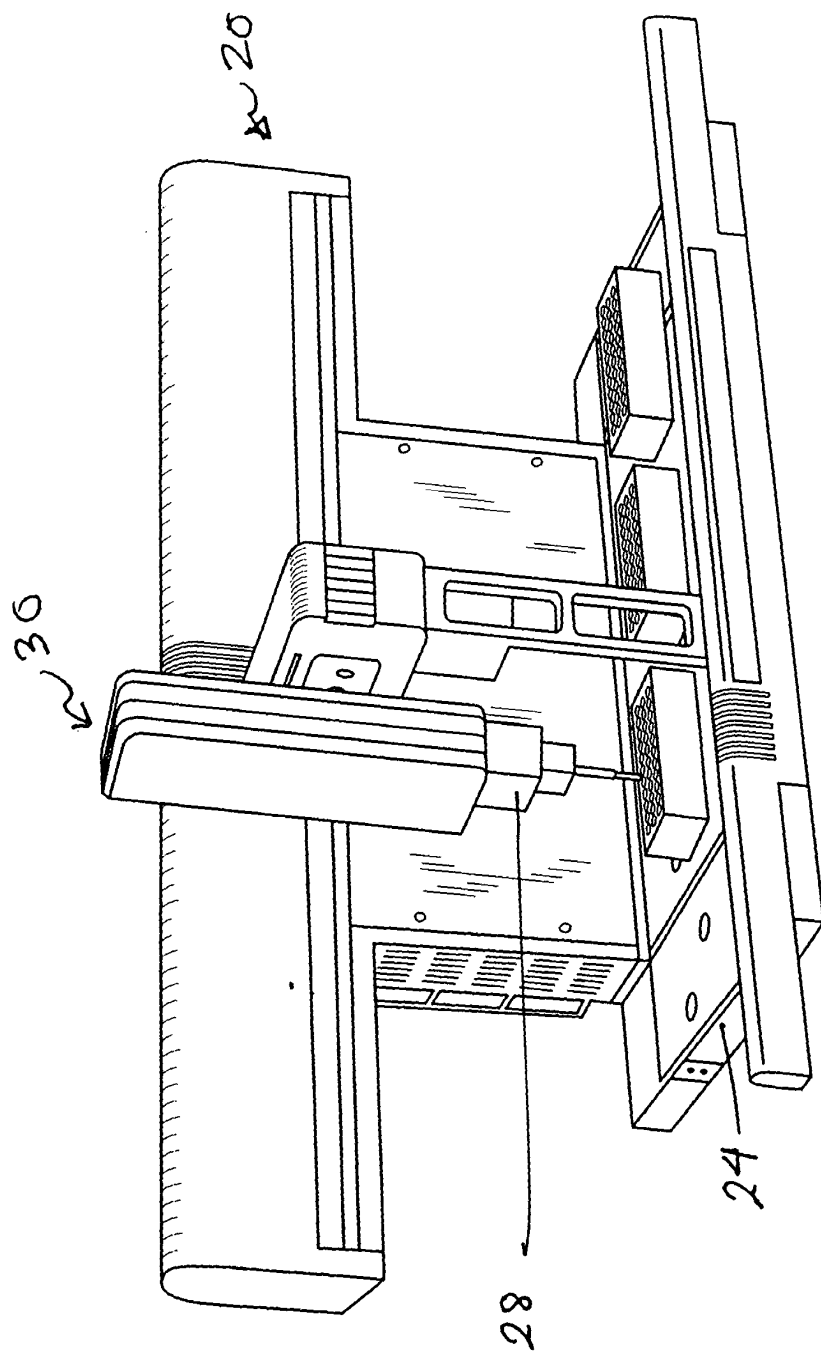


FIG. 4

Relative Quantitation Summary

Experiment Id: 132532

Description: this experiment was performed in order to test the effectiveness of the RT when plates are run in the Twister at room temperature in light

Label:

Experiment Date:

Outlier Cutoff (%CV):

SDS CALCULATOR v1.0.23

Sample Relative Quantitation

<u>Group</u>	<u>Sample</u>	<u>Gene</u>	<u>Gene 3</u>	<u>Gene 4</u>	<u>SEM</u>	<u>%CV</u>	<u>StDev</u>
normal	1	1.0	1.00	1.00	N/A	N/A	N/A
vehicle	2	19.0	6.08	3.70	N/A	N/A	N/A
<u>Gene</u>	<u>Group</u>	<u>Mean</u>	<u>Median</u>	<u>StDev</u>	<u>%CV</u>	<u>SEM</u>	<u>StDev</u>
Gene 2	normal	1.00	1.00	1.00	N/A	N/A	N/A
	vehicle	19.08	19.08	19.08	N/A	N/A	N/A
Gene 3	normal	1.00	1.00	1.00	N/A	N/A	N/A
	vehicle	6.08	6.08	6.08	N/A	N/A	N/A
Gene 4	normal	1.00	1.00	1.00	N/A	N/A	N/A
	vehicle	3.70	3.70	3.70	N/A	N/A	N/A

Group To Comparator Group Relations

Comparator

<u>Group</u>	<u>Value</u>
normal	1.00
vehicle	1.00

Amplification Efficiency Constants

Constant

<u>Gene</u>	<u>Value</u>
Gene 2	1.00
Gene 3	1.00
Gene 4	1.00

FIG. 5

Description: this experiment was performed in order to test the effectiveness of the RI when plates are run in the Twister at room temperature in light

Sample	Group	$\frac{\text{Endo}}{\text{CT}}$	$\frac{\text{Avg}}{\text{CT}}$	$\frac{\%CV}{A^*}$	$\frac{U^{**}}{A^*}$	$\frac{CT}{U^{**}}$	$\frac{\text{Avg}}{\text{CT}}$	$\frac{\%CV}{A^*}$	$\frac{U^{**}}{A^*}$	$\frac{\Delta CT}{\Delta \Delta CT}$	$\frac{\text{Relative}}{\text{Quantitative}}$
		17.81				22.20			n	1	
		17.80				22.13			MEAN	1.00	
		17.72				22.13			MEDIAN	1.00	
		17.60				22.29			STDEV	N/A	
		17.62				22.29			SEM	N/A	

FIG. 6A

GENE 2

Description: this experiment was performed in order to test the effectiveness of the RT when plates are run in the Twister at room temperature in light

Experiment Id: 132532

Label: twister test
Experiment 8/1/2002

Date:

Outlier Cutoff (%CV): 2

FPR Amp. Efficiency 1

Const.:

SDS CALCULATOR v1.0.23

Sample	Group	Endo CT	Avg CT	%CV	A*	U**	CT	Avg CT	%CV	A*	U**	$\frac{\Delta CT}{CT}$	$\frac{\Delta \Delta CT}{CT}$	Relative Quantitative	n	1
		17.80					18.04							MEAN	19.08	
		17.36					18.05							MEDIAN	19.08	
		17.54					17.95							STDEV	N/A	
		17.57					18.02							SEM	N/A	
		17.49					17.98									
		17.46					17.90									
		17.58					17.85									
		17.59					17.86									
		17.65					17.91									
		17.62					17.93									
		17.43					17.85									
		17.52					17.79									
		17.58					17.84									
2 vehicle		17.83	17.57	0.7			17.86	17.92	0.4		0.34	-4.25				19.08

*"X" – flagged for review

** "X" – removed from calculations

FIG 6B

GENE 3

Experiment Id: 132532 Description: this experiment was performed in order to test the effectiveness of the RT when plates are run in the Twister at room temperature in light

Label: twister test

Experiment Date: 8/1/2002

Outlier Cutoff (%CV): 2

FPR Amp. Efficiency 1

Const.:

SDS CALCULATOR v1.0.23

Sample	Group	Endo CT	Avg CT	%CV	A*	U**	CT	Avg CT	%CV	A*	U**	Δ CT	$\Delta\Delta$ CT	Relative Quantitative	n	1
		17.81	21.06				21.06							MEAN	1.00	1.00
		17.80	21.04				21.04							MEDIAN	1.00	1.00
		17.72	21.01				21.01							STDEV	N/A	N/A
		17.60	20.91				20.91							SEM	N/A	N/A
		17.62	21.91				21.91									
		17.54	21.08				21.08									
		17.60	20.92				20.92									
		17.54	21.01				21.01									
		17.50	21.08				21.08									
		17.58	21.10				21.10									
		17.55	21.10				21.10									
		17.52	21.13				21.13									
		17.64	21.07				21.07									
1	normal	17.51	17.61		0.6		21.18	21.04	0.4			3.43	0.00		1.00	

MEDIAN Δ CT normal

MEAN Δ CT normal

3.43

3.43

*"X" – flagged for review
 ** "X" – removed from calculations

FIG 7A

GENE 3

Experiment Id: 132532 **Description:** this experiment was performed in order to test the effectiveness of the RT when plates are run in the Twister at room temperature in light

Label: twister test

Experiment Date: 8/1/2002

Outlier Cutoff (%CV): 2

FPR Amp. Efficiency 1

Const.:

SDS CALCULATOR v1.0.23

<u>Sample</u>	<u>Group</u>	<u>Endo</u> <u>CT</u>	<u>Avg</u> <u>CT</u>	<u>%CV</u>	<u>A*</u>	<u>U**</u>	<u>CT</u>	<u>Avg</u> <u>CT</u>	<u>%CV</u>	<u>A*</u>	<u>U**</u>	<u>ΔCT</u>	<u>ΔΔCT</u>	<u>Relative</u> <u>Quantitative</u>	n	MEAN	MEDIAN	STDEV	SEM
		17.80	17.80				18.47								1	19.08	19.08		
		17.36	17.36				18.55												
		17.54	17.54				18.43												
		17.57	17.57				18.41												
		17.49	17.49				18.44												
		17.46	17.46				18.38												
		17.58	17.58				18.41												
		17.59	17.59				18.32												
		17.65	17.65				18.35												
		17.62	17.62				18.34												
		17.43	17.43				18.33												
		17.52	17.52				18.36												
		17.58	17.58				18.48												
2 vehicle		17.83	17.57	0.7			18.35	18.40	0.4		0.83	-2.60							6.08

*"X" – flagged for review
 ** "X" – removed from calculations

FIG 7B

Experiment Id:	132532	Description: this experiment was performed in order to test the effectiveness of the RT when plates are run in the Twister at room temperature in light
Label:	twister test	
Experiment Date:	8/1/2002	
Outlier Cutoff (%CV):	2	
FPR Amp. Efficiency	1	
Const.:		
SDS CALCULATOR	v1.0.23	

*“X” – flagged for review
 ** “X” – removed from calculations

FIG 8A

GENE 4

Experiment Id: 132532 Description: this experiment was performed in order to test the effectiveness of the RT when plates are run in the Twister at room temperature in light

Label: twister test

Experiment Date: 8/1/2002

Outlier Cutoff (%CV): 2

FPR Amp. Efficiency 1

Const.:

SDS CALCULATOR v1.0.23

<u>Sample</u>	<u>Group</u>	<u>Endo</u> <u>CT</u>	<u>Avg</u> <u>CT</u>	<u>%CV</u>	<u>A*</u>	<u>U**</u>	<u>CT</u>	<u>Avg</u> <u>CT</u>	<u>%CV</u>	<u>A*</u>	<u>U**</u>	<u>ΔCT</u>	<u>ΔΔCT</u>	<u>Relative</u> <u>Quantitative</u>	<u>n</u>	
		17.80					30.45								1	
		17.36					30.53								MEAN	3.70
		17.54					30.39								MEDIAN	3.70
		17.57					30.41								STDEV	N/A
		17.49					30.37								SEM	N/A
		17.46					30.47									
		17.58					30.67									
		17.59					30.75									
		17.65					30.80									
		17.62					30.57									
		17.43					30.72									
		17.52					30.93									
		17.58					30.74									
2 vehicle		17.83	17.57	0.7			30.71	30.61	0.6		13.03	-1.89		3.70		

*"X" – flagged for review
 ** "X" – removed from calculations

FIG 8B

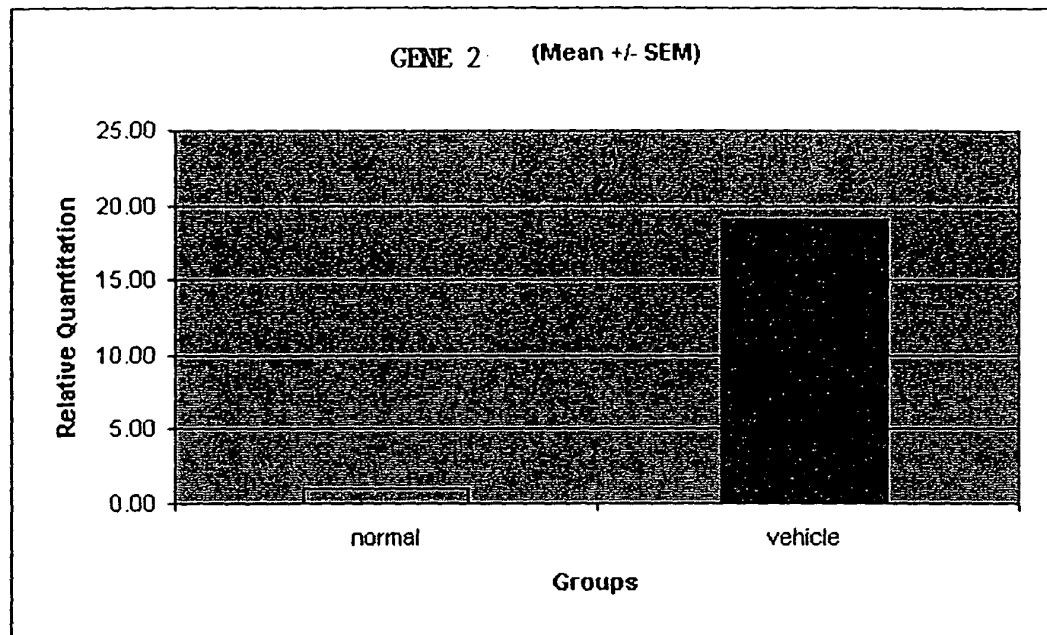


FIG 9

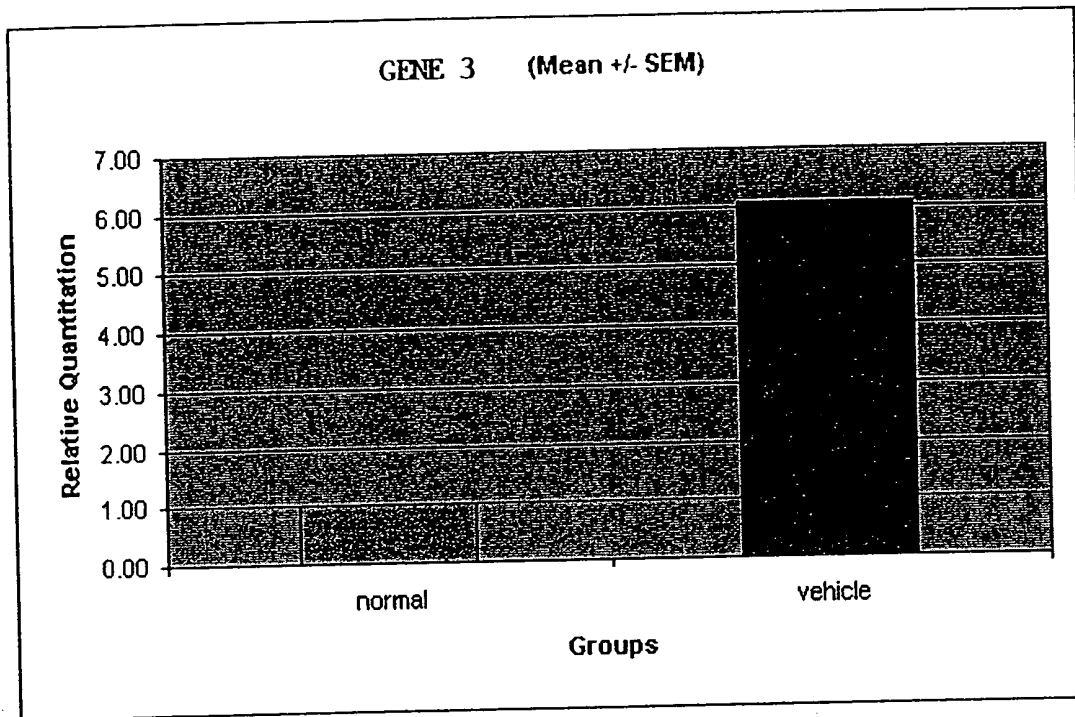


FIG 10

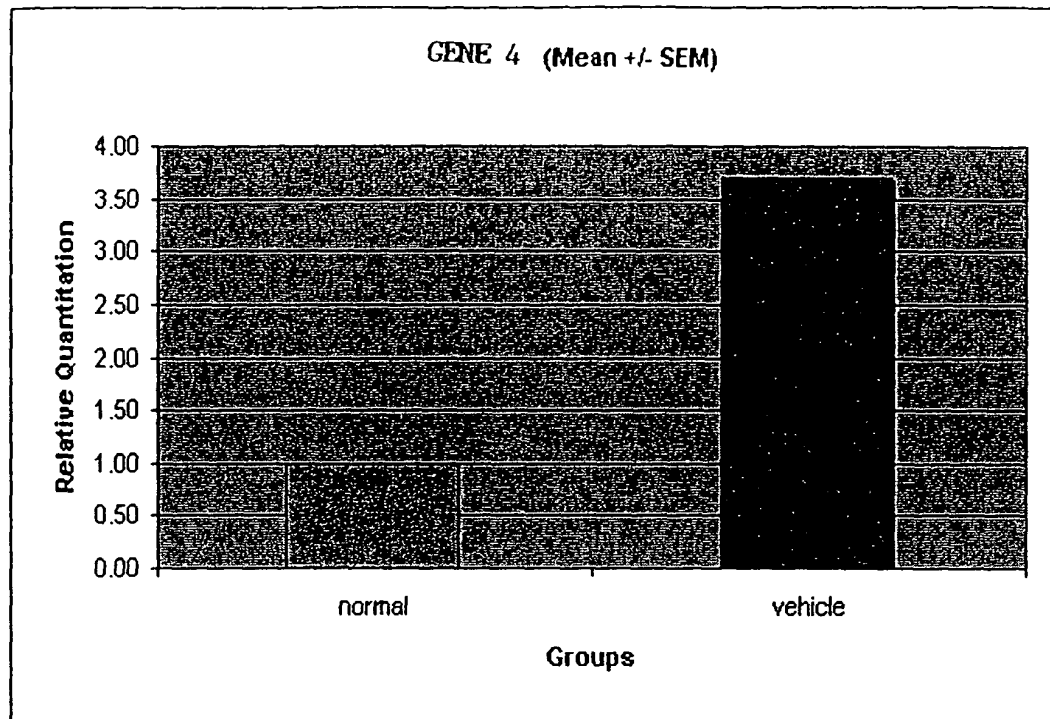
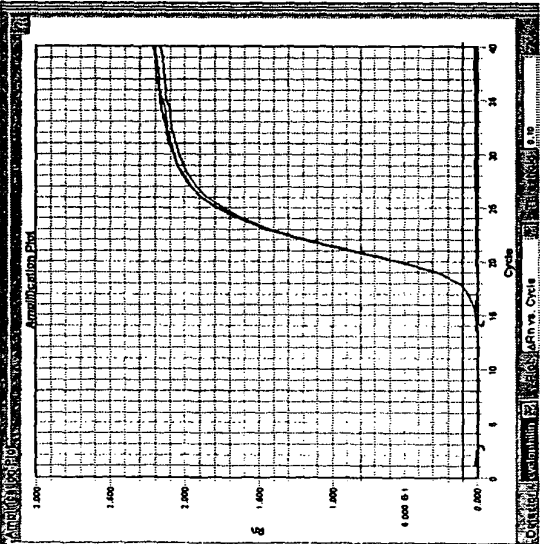


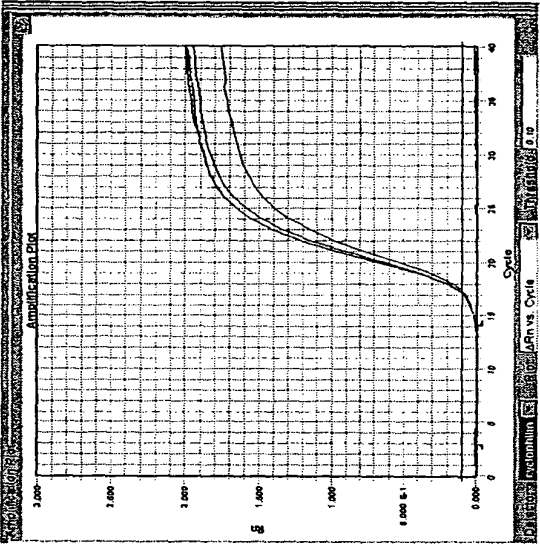
FIG 11

Gene A – Linear View

10:45 – 12:50
08/09/02



19:11 – 21:16
08/09/02



1:35 – 3:40
08/10/02

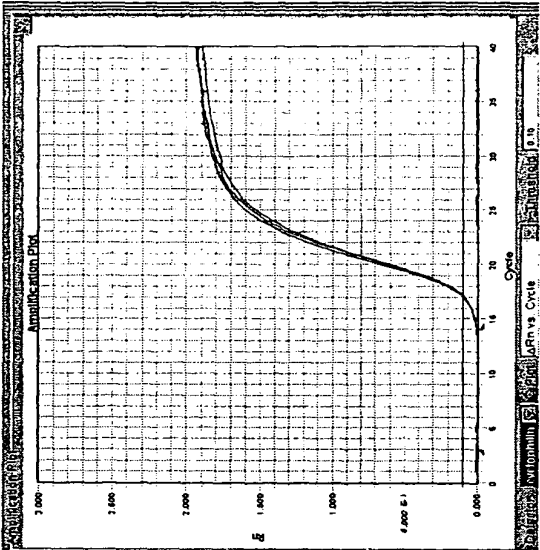
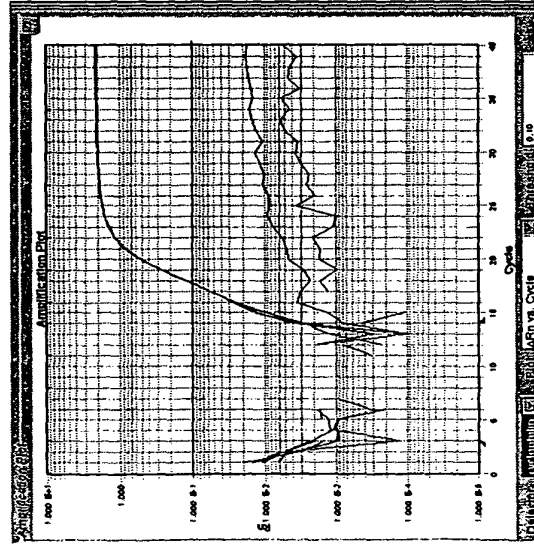


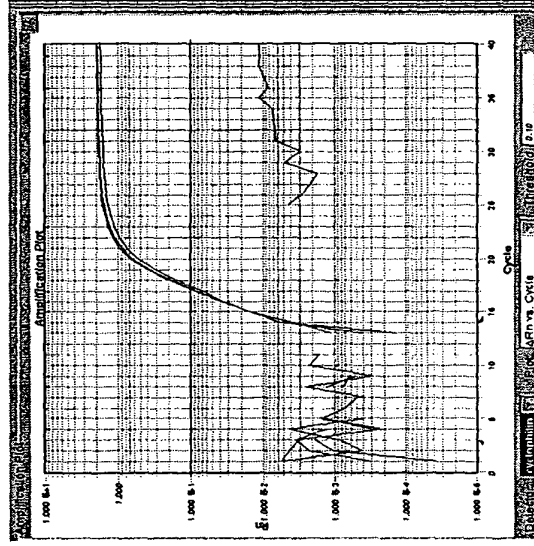
FIG 12

Gene A – Log View

10:45 – 12:50
08/09/02



19:11 – 21:16
08/09/02



1:35 – 3:40
08/10/02

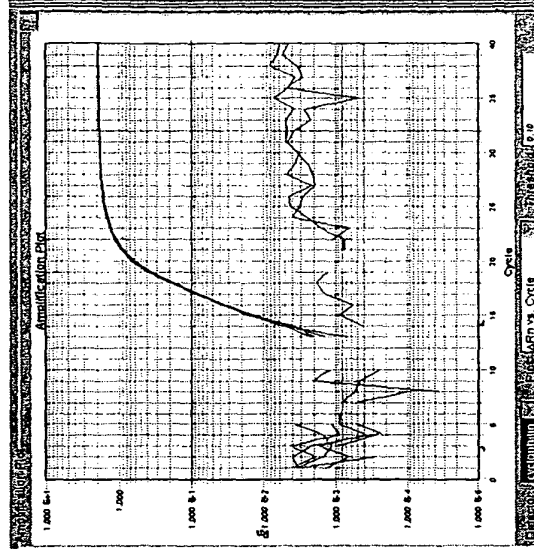
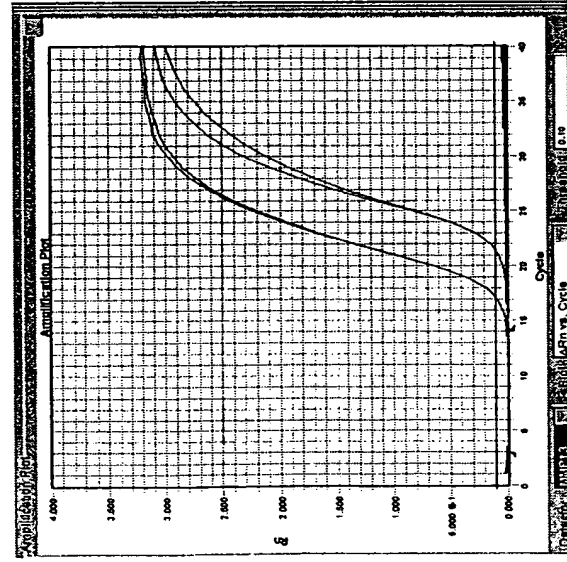


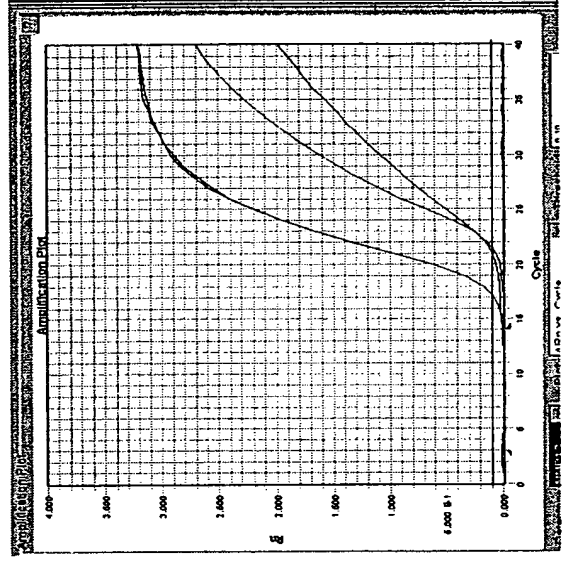
FIG 13

Gene B - Linear View

10:45 – 12:50
08/09/02



19:11 – 21:16
08/09/02



1:35 – 3:40
08/10/02

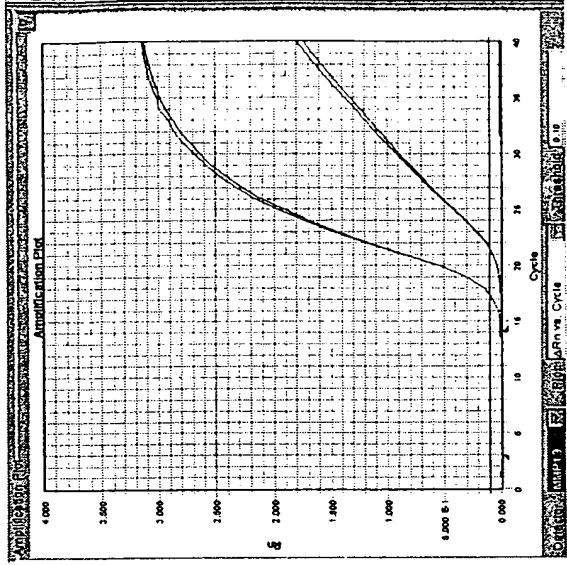
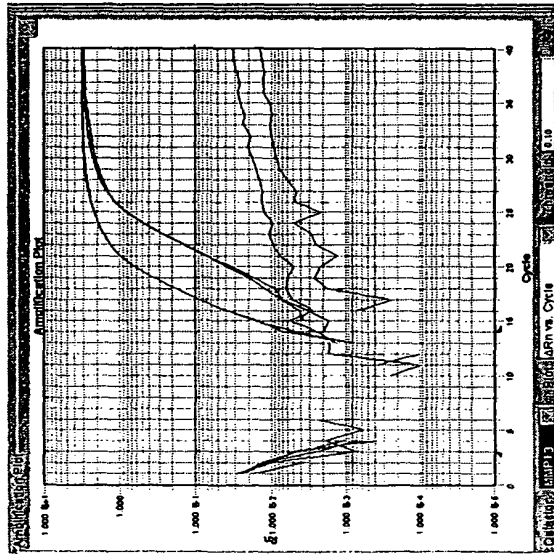


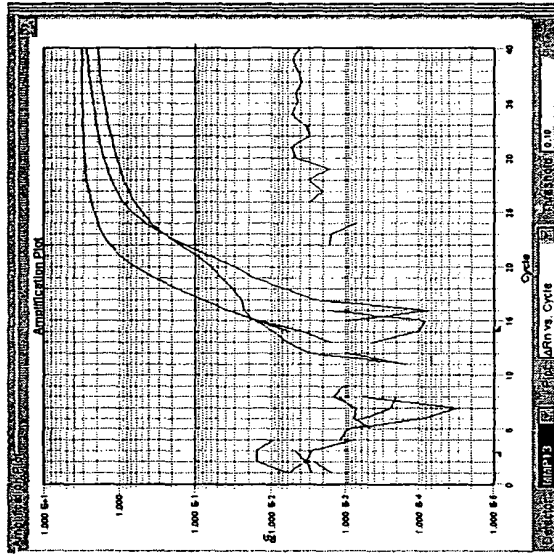
FIG 14

Gene B - Log View

10:45 – 12:50
08/09/02



19:11 – 21:16
08/09/02



1:35 – 3:40
08/10/02

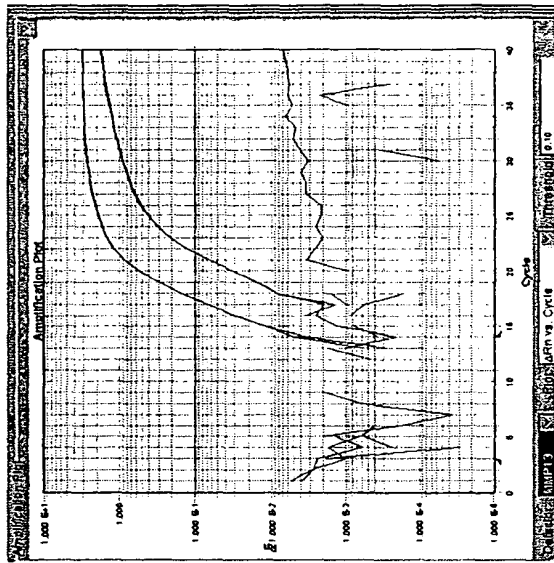
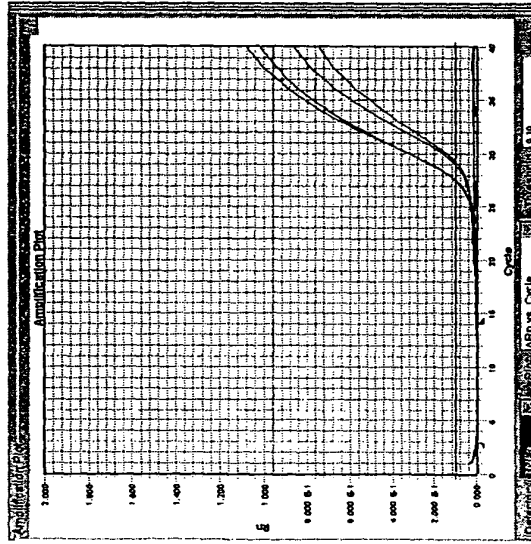


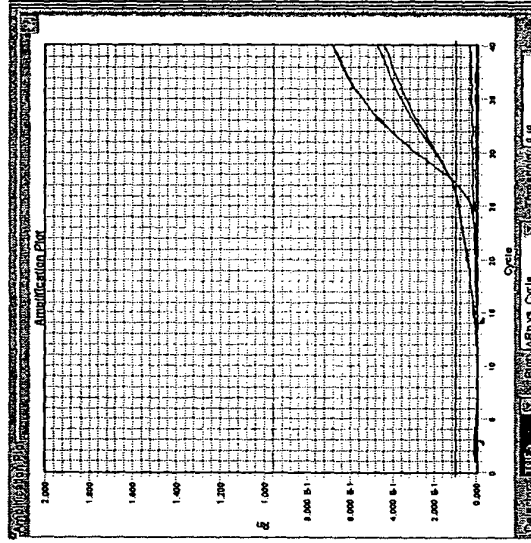
FIG 15

Gene C – Linear View

10:45 – 12:50
08/09/02



19:11 – 21:16
08/09/02



1:35 – 3:40
08/10/02

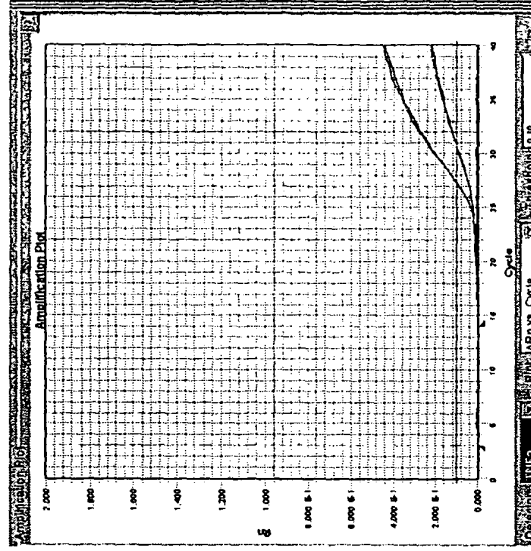
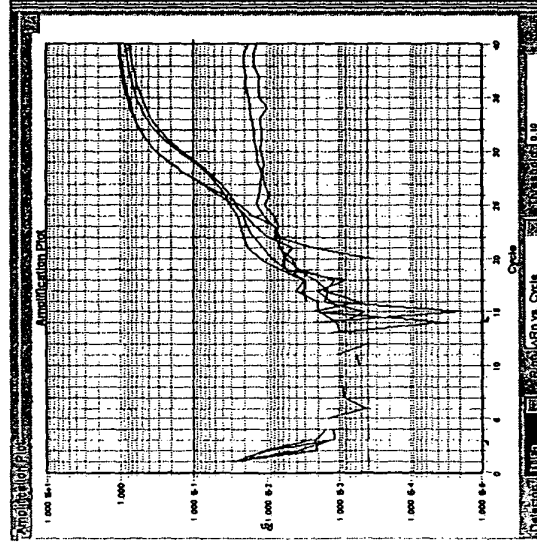


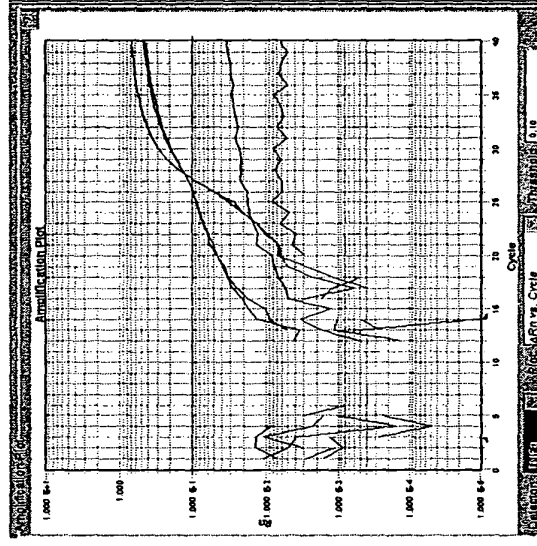
FIG 16

Gene C – Log View

10:45 – 12:50
08/09/02



19:11 – 21:16
08/09/02



1:35 – 3:40
08/10/02

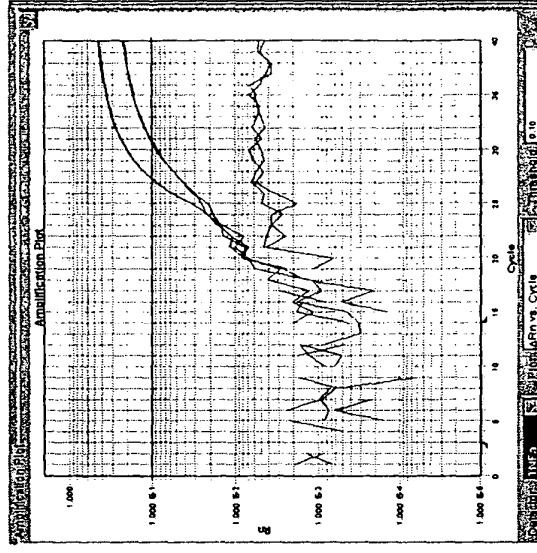
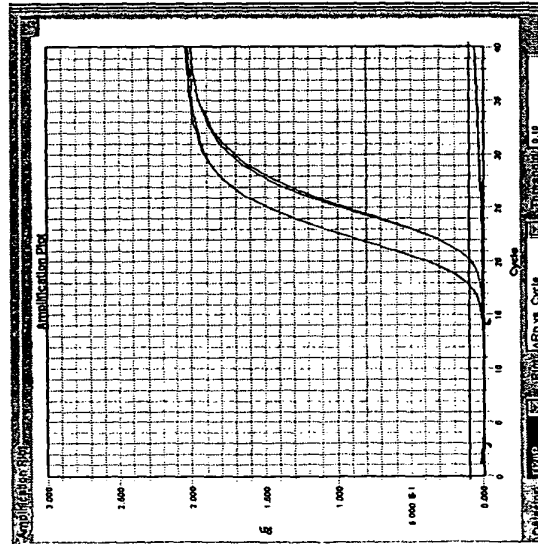


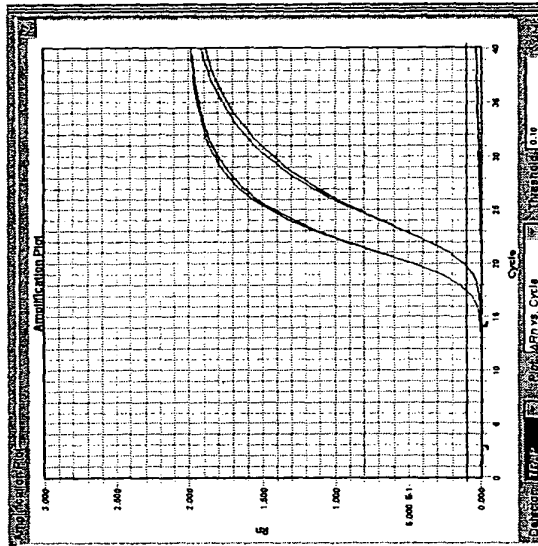
FIG 17

Gene D – Linear View

10:45 – 12:50
08/09/02



19:11 – 21:16
08/09/02



1:35 – 3:40
08/10/02

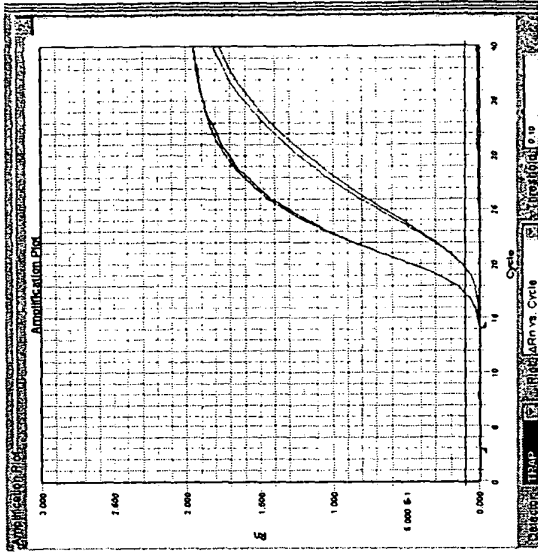
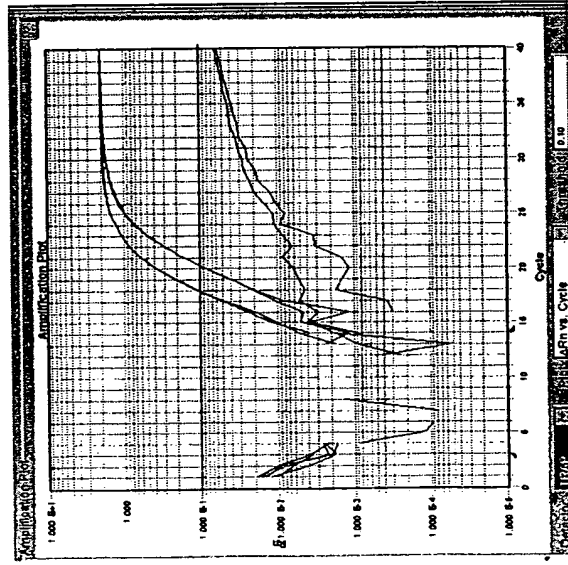


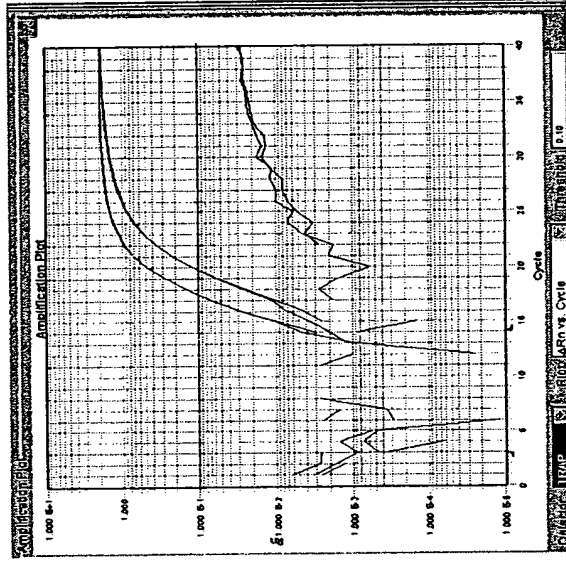
FIG 18

Gene E – Log View

10:45 – 12:50
08/09/02



19:11 – 21:16
08/09/02



1:35 – 3:40
08/10/02

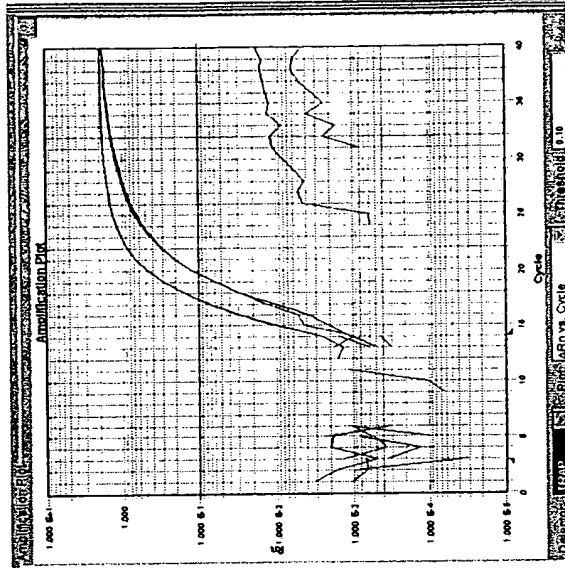


FIG 19